

SEQUENCE LISTING

<110> MAURY, WENDY
 STAPLETON, JACK
 ROLLER, RICHARD
 STINSKI, MARK
 MCCRAY, PAUL B.
 TACK, BRIAN

<120> NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
 CATHELICIDINS

<130> IOWA:035US

<140> UNKNOWN

<141> 2002-01-29

<150> 60/309,368

<151> 2001-08-01

<150> 60/265,270

<151> 2001-01-30

<160> 32

<170> PatentIn Ver. 2.1

<210> 1

<211> 39

<212> PRT

<213> Mus musculus

<400> 1

Ile	Ser	Arg	Leu	Ala	Gly	Leu	Leu	Arg	Lys	Gly	Gly	Glu	Lys	Ile	Gly
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Glu	Lys	Leu	Lys	Lys	Ile	Gly	Gln	Lys	Ile	Lys	Asn	Phe	Phe	Gln	Lys
			20					25						30	
Leu	Val	Pro	Gln	Pro	Glu	Gln									
			35												

<210> 2

<211> 39

<212> PRT

<213> Mus musculus

<400> 2

Ile	Ser	Arg	Leu	Ala	Gly	Leu	Val	Arg	Lys	Gly	Gly	Glu	Lys	Phe	Gly
1				5				10						15	
Glu	Lys	Leu	Arg	Lys	Ile	Gly	Gln	Lys	Ile	Lys	Glu	Phe	Phe	Gln	Lys

20

25

30

Leu Ala Leu Glu Ile Glu Gln

35

<210> 3

<211> 28

<212> PRT

<213> Lepus

<400> 3

Arg Gly Leu Arg Arg Leu Gly Arg Lys Ile Ala His Gly Val Lys Lys

1

5

10

15

Tyr Gly Pro Thr Val Leu Arg Ile Ile Arg Ile Ala

20

25

<210> 4

<211> 29

<212> PRT

<213> Lepus

<400> 4

Arg Gly Leu Arg Arg Leu Gly Arg Lys Ile Ala His Gly Val Lys Lys

1

5

10

15

Tyr Gly Pro Thr Val Leu Arg Ile Ile Arg Ile Ala Gly

20

25

<210> 5

<211> 37

<212> PRT

<213> Ovis aries

<400> 5

Gly Leu Arg Lys Arg Leu Arg Lys Phe Arg Asn Lys Ile Lys Glu Lys

1

5

10

15

Leu Lys Lys Ile Gly Gln Lys Ile Gln Gly Leu Leu Pro Lys Leu Ala

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25

30

Pro Arg Thr Asp Tyr

35

<210> 6

<211> 39

<212> PRT

<213> Homo sapiens

<400> 6

Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly
1 5 10 15

Lys Glu Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn
20 25 30

Leu Val Pro Arg Thr Glu Ser
35

<210> 7

<211> 37

<212> PRT

<213> Homo sapiens

<400> 7

Leu Leu Gly Asp Phe Phe Arg Lys Ser Lys Glu Lys Ile Gly Lys Glu
1 5 10 15

Phe Lys Arg Ile Val Gln Arg Ile Lys Asp Phe Leu Arg Asn Leu Val
20 25 30

Pro Arg Thr Glu Ser
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<210> 8

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 8

Lys Asn Leu Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly Pro Thr Ile Leu Arg Ile Ile Arg Ile Ile Gly
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<210> 9

<211> 18

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 9

Lys Asn Leu Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 10

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 10

Lys Asn Ile Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 11

<211> 18

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Peptide

<400> 11

Lys Asn Ile Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 12

<211> 18

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Peptide

<400> 12

Lys Asn Leu Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys

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Tyr Gly

<210> 13

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<400> 13

Leu Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys

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<212> PRT

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Asn Leu Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys Tyr

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<210> 15

<211> 16

<212> PRT

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Asn Ile Arg Arg Ile Ile Arg Lys Ile Ile His Ile Ile Lys Lys Tyr

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<210> 16

<211> 23

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 16

Ala Cys Lys Ile Ile His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu
1 5 10 15

Arg Ile Ile Arg Ile Ile Gly
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<210> 17

<211> 21

<212> PRT

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Peptide

<400> 17

Lys Ile Ile His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu Arg Ile
1 5 10 15

Ile Arg Ile Ile Gly
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<210> 18

<211> 14

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 18

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<210> 19

<211> 14

<212> PRT

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Peptide

<400> 19

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1 5 10

<210> 20

<211> 14

<212> PRT

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Peptide

<400> 20

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1 5 10

<210> 21

<211> 19

<212> PRT

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Peptide

<400> 21

Ile His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu Arg Ile Ile Arg
1 5 10 15

Ile Ile Gly

<210> 22

<211> 18

<212> PRT

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<220>

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Peptide

<400> 22

His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu Arg Ile Ile Arg Ile
1 5 10 15

Ile Gly

<210> 23

<211> 21
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Peptide

<400> 23

Ala Cys Ile His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu Arg Ile
1 5 10 15

Ile Arg Ile Ile Gly
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<210> 24

<211> 20

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 24

Ala Cys His Ile Ile Lys Lys Tyr Gly Pro Thr Ile Leu Arg Ile Ile
1 5 10 15

Arg Ile Ile Gly
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<210> 25

<211> 18

<212> PRT

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Peptide

<400> 25

Lys Asn Leu Arg Arg Ile Thr Arg Lys Ile Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 26

<211> 18

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<400> 26

Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 27

<211> 18

<212> PRT

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<400> 27

Gly Ile Cys Arg Cys Ile Cys Gly Arg Gly Ile Cys Arg Cys Ile Cys
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Gly Arg

<210> 28

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<400> 28

Gly Phe Cys Arg Cys Ile Cys Thr Arg Gly Phe Cys Arg Cys Ile Cys
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Thr Arg

<210> 29

<211> 18

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Peptide

<400> 29

Gly Val Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys Leu Cys
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Arg Arg

<210> 30

<211> 18

<212> PRT

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Peptide

<400> 30

Gly Phe Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys Ile Cys
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Thr Arg

<210> 31

<211> 18

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Peptide

<400> 31

Gly Ile Cys Arg Cys Leu Cys Arg Arg Gly Val Cys Arg Cys Ile Cys
1 5 10 15

Gly Arg

<210> 32

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 32

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Gly Arg